

35. (New) The recombinant adenovirus vector of claim 33, wherein the recombinant adenovirus lacks expression of the RID α protein.

36. (New) The recombinant adenovirus vector of claim 33, wherein the recombinant adenovirus lacks expression of the RID β protein.

37. (New) The recombinant adenovirus vector of claim 33, wherein the recombinant adenovirus lacks expression of the 14.7K protein.

38. (New) The recombinant adenovirus vector of claim 33, wherein the recombinant adenovirus lacks expression of the gp19K, RID α , RID β and 14.7K proteins.

39. (New) The recombinant adenovirus vector of claim 1, wherein the recombinant adenovirus comprises a deletion in the E3 region that removes a splice site for any of the E3 mRNAs.

40. (New) The recombinant adenovirus vector of claim 1, wherein the recombinant adenovirus comprises at least one deletion in the E3 region, wherein the at least one deletion comprises a sequence that encodes at least one E3 protein, wherein the protein is selected from the group consisting of gp19K, RID α , RID β , 14.7K, 6.7K and 12.5K.

41. (New) The recombinant adenovirus vector of claim 40, wherein the at least one deletion comprises a sequence that encodes the gp19K, RID α , RID β and 14.7K proteins.

42. (New) The recombinant adenovirus vector of claim 41, wherein the at least one deletion further comprises a sequence that encodes the 6.7K protein.

43. (New) The recombinant adenovirus vector of claim 41, wherein the at least one deletion further comprises a sequence that encodes the 12.5K protein.

44. (New) The recombinant adenovirus vector of claim 41, wherein the at least one deletion further comprises a sequence that encodes the 6.7K and 12.5K proteins.

45. (New) A recombinant adenovirus vector, wherein said vector
(a) lacks expression of at least one E3 protein selected from the group consisting of gp19K, RID α , RID β and 14.7K; and
(b) comprises a gene that encodes ADP.

46. (New) The recombinant adenovirus vector of claim 45, wherein the E3 protein is the gp19K protein.

47. (New) The recombinant adenovirus vector of claim 45, wherein the E3 protein is the RID α protein.

48. (New) The recombinant adenovirus vector of claim 45, wherein the E3 protein is the RID β protein.

49. (New) The recombinant adenovirus vector of claim 45, wherein the E3 protein is the 14.7K protein.

50. (New) The recombinant adenovirus vector of claim 45, wherein the vector lacks expression of the gp19K, RID α , RID β and 14.7K proteins.

51. (New) A recombinant adenovirus vector, wherein said vector comprises
(a) at least one deletion in the E3 region, wherein the at least one deletion comprises a sequence that encodes at least one E3 protein selected from the group consisting of gp19K, RID α , RID β and 14.7K; and

(b) a gene that encodes ADP.

52. (New) The recombinant adenovirus vector of claim 51, wherein the at least one deletion comprises a sequence that encodes the gp19K, RID α , RID β , and 14.7K proteins.

53. (New) The recombinant adenovirus vector of claim 51, wherein the at least one deletion further comprises a sequence that encodes the 6.7K protein.

54. (New) The recombinant adenovirus vector of claim 51, wherein the at least one deletion further comprises a sequence that encodes the 12.5K protein.

55. (New) The recombinant adenovirus vector of claim 51, wherein the at least one deletion further comprises a sequence that encodes the 6.7K and 12.5K proteins.

e3
Cont
56. (New) The recombinant adenovirus vector of claim 38, wherein the recombinant adenovirus lacks expression of the 6.7K protein.

57. (New) The recombinant adenovirus vector of claim 38, wherein the recombinant adenovirus lacks expression of the 12.5K proteins.

58. (New) The recombinant adenovirus vector of claim 38, wherein the recombinant adenovirus lacks expression of the 6.7K and 12.5K proteins.

59. (New) The recombinant adenovirus of claim 51, wherein the at least one deletion comprises a splice site for any of the E3 mRNAs.